

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of providing wireless services to a mobile terminal within ~~[[an]] a common service area~~ serviced by both a public land mobile network (PLMN) ~~wireless network~~ and an Internet Protocol (IP) network, comprising the steps of:

responsive to a request for service from the mobile terminal, registering the mobile terminal with the PLMN home location register (HLR) via an IP network radio base station and an H.323 gatekeeper/service node (SN), wherein said SN includes a service layer for providing wireless services associated with the common area; and providing the requested service to the mobile terminal upon confirmation from the wireless network of eligibility for the requested service.

~~the IP network providing an air interface to the wireless network;
a mobile terminal registering with the IP network via the air interface thereby allowing the IP network to share the load of servicing the mobile terminal;
a mobile terminal requesting service; and
the IP network providing service to the mobile terminal.~~

2. (Canceled)

3. (Currently Amended) The method of claim 1 further comprising the step of the mobile terminal performing a location update with the IP network utilizing the IP network radio base station.

4. (Original) The method of claim 1 further comprising the step of the IP network registering the mobile terminal with the wireless network.

5. (Currently Amended) The method of claim 1 further comprising the step of the IP network registering the mobile terminal in [[a]] an IP Network Mobile Services Center/Visitor Location Register (MSC/VLR).

6. (Currently Amended) The method of claim 1 further comprising the step of the IP network MSC/VLR connecting with the PLMN HLR for registering the mobile terminal. ~~interfacing with the wireless terminal in emulation of the wireless network.~~

7. (Currently Amended) The method of claim 1 further comprising the step of the wireless HLR providing the list of services associated with the common area to the IP network MSC/VLR, for which the mobile terminal is eligible. ~~IP network interfacing with the wireless network in emulation of a Mobile Switching Center (MSC).~~

8. (Currently Amended) A telecommunications system for providing wireless services to a mobile terminal within a common service area serviced by both a public land mobile network (PLMN) and an Internet Protocol (IP) network, comprising: ~~providing load sharing between a wireless Public Land Mobile Network (PLMN) and an Internet Protocol (IP) network comprising:~~

[[a]] the Public Land Mobile Network (PLMN) configured to provide wireless service to mobile terminals throughout a specified service area;

[[an]] the Internet Protocol network adapted to provide service to the mobile terminal within a shared service area of said specified service area the common service area, wherein said IP network comprises:

a radio base station (RBS) connected to a home location register in said PLMN
via

an IP network base station controller,

network access controller, and

a H.323 gatekeeper/service node (SN), all located in the shared service; and

an interface for operably coupling the Internet Protocol (IP) network to the PLMN;

wherein said IP network is configured to detect service requests from mobile terminals ~~[[of]]~~ associated with the PLMN and wherein said ~~SN IP network~~ is further configured to provide services associated with said common service area to said mobile terminals.

9. (Original) The system according to claim 8 wherein the IP network utilizes H.323 protocol.

10. (Currently Amended) The system according to claim 8 wherein the PLMN is a Global System for Mobile communication (GSM) network.

AT
Sub
B1
11. (Currently Amended) The system according to claim 8 wherein the ~~IP network further comprises a Radio Base Station (RBS)~~ the RBS is configured to provide an air interface to mobile terminals of the PLMN.

12. (Currently Amended) The system according to claim 11 wherein the ~~IP network further comprises a Network Access Controller (NAC)~~ is configured to provide the functions of a Mobile Switching Center/Visitor Location Register enabling registration of mobile terminals with a PLMN home location register (HLR) and H.323 procedures towards the H.323 Service node. ~~according to standard PLMN procedures.~~

13. (Currently Amended) The system according to claim 12 wherein said ~~IP network includes at least one H.323 gatekeeper and Service Node (SN)~~ includes a service layer for providing ~~is configured to provide~~ location specific services to mobile terminals, said location specific services related to said shared service area.

14. (Original) The system according to claim 13 wherein said IP network comprises a Radio Network Server configured to provide the base station controller functions of a PLMN within said shared service area.

15. (Currently Amended) An Internet Protocol (IP) network supporting the provision of site-specific services to mobile terminals, in a service area that is common to the IP network and a public land mobile network (PLMN), comprising:

a Radio Base Station (RBS) providing an air interface for coupling a mobile terminal associated with the PLMN ~~of a Public Land Mobile Network (PLMN)~~ to the IP network;

a Network Access Controller (NAC) coupled with the RBS and configured to provide the functions of a Mobile Switching Center/Visitor Location Register (MSC/VLR), wherein said NAC registers the mobile terminal, in the common service area, with the home location register (HLR) in the ~~thereby enabling registration of mobile terminals according to standard procedures of the PLMN and towards the H.323 Service Node using standard H.323 admission control procedures; and~~

a H.323 gatekeeper/service node (SN) ~~Service Node (SN)~~ configured to provide location specific services to said mobile terminal, said location specific services related to ~~[[a]]~~ the common service area shared by both said PLMN and said IP network.

16. (Currently Amended) The IP network according to claim 15 wherein the RBS further comprises a Base Transceiver Station ~~Transceiver~~ (BTS).

17. (Original) The IP network according to claim 16 wherein the RBS further comprises an Abis Gateway (AGW).

18. (Original) The IP network according to claim 15 further comprising a Media and Signaling Gateway (MSGW) operably coupled to the NAC.

19. (Original) The IP network according to claim 15 wherein the IP network supports H.323 protocol.

20. (Original) The IP network according to claim 15 wherein the PLMN is a Global System for Mobile communication systems (GSM) network.

21. (Original) The IP network according to claim 16 wherein the IP network is configured to emulate a PLMN base station compatible with the mobile terminal.

22. (Original) The IP network according to claim 16 wherein the IP network emulates a mobile switch compatible with the PLMN.
